

# Introduction To Partial Differential Equations

[DOWNLOAD HERE](#)

A complete introduction to partial differential equations. A textbook aimed at students of mathematics, physics and engineering. A complete introduction to partial differential equations, this textbook provides a rigorous yet accessible guide to students in mathematics, physics and engineering. The presentation is lively and up to date, paying particular emphasis to developing an appreciation of underlying mathematical theory. Beginning with basic definitions, properties and derivations of some basic equations of mathematical physics from basic principles, the book studies first order equations, classification of second order equations, and the one-dimensional wave equation. Two chapters are devoted to the separation of variables, whilst others concentrate on a wide range of topics including elliptic theory, Green's functions, variational and numerical methods. A rich collection of worked examples and exercises accompany the text, along with a large number of illustrations and graphs to provide insight into the numerical examples. Solutions to selected exercises are included for students whilst extended solution sets are available to lecturers from [solutions@cambridge.org](mailto:solutions@cambridge.org). EAN/ISBN : 9780511110252 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Pinchover, Yehuda - Rubinstein, Jacob

[DOWNLOAD HERE](#)

## Similar manuals:

[Introduction To Partial Differential Equations](#)

[Introduction To Partial Differential Equations](#)